

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element comprising  
an electrode arrangement,  
at least one element for polarization ~~polarisation~~ of the light, and  
a mesogenic modulation medium,  
said light modulation element being operated at a temperature at which the mesogenic modulation medium in the unaddressed state is in a blue phase, ~~in an optically-isotropic phase~~,  
~~characterized in that it comprises~~ at least one optical compensation element comprising at least one birefringent polymer film.

2. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element comprising  
an electrode arrangement,  
at least one element for polarization ~~polarisation~~ of the light, and  
a mesogenic modulation medium,  
said light modulation element being operated at a temperature at which the mesogenic modulation medium in the unaddressed state is in a blue phase, ~~in an optically-isotropic phase~~,  
~~characterized in that it comprises~~ at least one optical compensation element comprising  
a) at least one optical retardation layer having an optical axis that is substantially parallel to the plane of the layer and to the surface of the mesogenic modulation medium, and/or  
b) at least one retardation layer having an optical axis that is substantially perpendicular to the plane of the layer and to the surface of the mesogenic modulation medium, and/or

c) at least one retardation layer having an optical axis that is tilted at an angle  $\theta$  of between  $0^\circ$  and  $90^\circ$  relative to the plane of the layer and to the surface of the mesogenic modulation medium, and/or

d) at least one optical biaxial retardation layer.

3. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 1, wherein ~~characterized in that~~ the electrode arrangement is located on one side of the layer of the mesogenic modulation medium and during operation of the light modulation element generates an electric field having a significant component parallel to the plane of the mesogenic modulation medium.

4. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 1, wherein ~~characterized in that~~ the light during passage through the light modulation element in each case passes through at least one polarizer ~~polariser~~ before passing through the mesogenic modulation medium and after passing through the mesogenic modulation medium.

5. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 1, comprising ~~characterized in that it comprises~~ at least two domains wherein the preferred orientation directions of the molecules in the mesogenic modulating medium are parallel to the plane of the medium and orthogonal to each other.

6. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 1, wherein ~~characterized in that~~ the mesogenic modulation medium has a nematic liquid crystal phase.

7. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ in said compensation element at least one of the optical retardation layers a) and/or b) and/or c) and/or d) is a birefringent polymer film.

8. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 1, wherein ~~characterized in that~~ in said compensation element the birefringent polymer film or at least one of the optical retardation layers a) and/or b) and/or c) and/or d) comprises polymerized ~~polymerised~~ or crosslinked LC material.

9. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least one layer a) comprising at least one positive A plate retardation film.

10. (Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least one layer a) comprising at least one negative A plate retardation film.

11. (Withdrawn and Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least one layer b) comprising at least one positive C plate retardation film.

12. (Withdrawn and Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least one layer c) comprising at least one positive O plate retardation film.

13. (Withdrawn and Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least one layer d) comprising at least one biaxial retardation film.

14. (Withdrawn and Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least layer a) comprising at least one positive A plate

retardation film and at least one layer b) comprising at least one positive C plate retardation film.

15. (Withdrawn and Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least two layers c) comprising at least one positive splayed O plate retardation film with the average tilt of both layers being in the same plane and having opposing direction.

16. (Withdrawn and Currently Amended) An electro-optical ~~Electro-optical~~ light modulation element according to Claim 2, wherein ~~characterized in that~~ said compensation element comprises at least two layers d) comprising at least one biaxial retardation film.

17. (Currently Amended) An electro-optical ~~Electro-optical~~ display comprising one or more light modulation elements according to Claim 1.

18. (Currently Amended) Use of a light modulation element or display ~~according to Claim 1 for the display of information or of video signals, as monitor, A television or computer monitor, or for projection systems~~ system, comprising one or more light modulation elements according to Claim 1.

19. (Cancelled)

20. (New) An electro-optical display comprising one or more light modulation elements according to Claim 2.